

# **COMPREHENSIVE (PHASE 2) REVIEW AND UPDATE TO THE BAY-DELTA PLAN**

## **Workshop1: Ecosystem Changes and the Low Salinity Zone**

Wednesday, September 5, 2012  
Continuing on Thursday, September 6, 2012

9:00 a.m. to 5:00 p.m.  
Joe Serna, Jr.-Cal/EPA Building  
Coastal Hearing Room  
1001 I Street, Second Floor  
Sacramento, CA 95814

Note: Times are approximate and may shift based on the length of presentations and/or the discretion of the Water Board

### **Day 1: 9/5/12**

9:00 – 9:15	Welcome, agenda review
9:15 – 10:45	Invited Panel
10:45 – 10:55	Break
10:55 – 12:00	Regulatory / fishery agencies
12:00 – 12:55	Lunch
12:55 – 1:30	Regulatory / fishery agencies (cont)
1:30 – 3:10	Resource management agencies
3:10 – 3:20	Break
3:20 – 5:00	Environmental / NGO groups

### **Day 2: 9/6/12**

9:00 – 10:40	In-Delta water interests
10:40 – 10:50	Break
10:50 – 12:30	State / Central Valley Project contractors
12:30 – 1:30	Lunch
1:30 – 2:30	Sacramento Valley water suppliers
2:30 – 2:45	Break
2:45 – 3:45	Public comments
3:45 – 5:00	Additional Water Board questions

### ***Invited Expert Panel***

The Invited Expert Panel assembled by Dr. Peter Goodwin, the Delta Science Program's Lead Scientist, will focus on:

- Effects of the low salinity zone on various estuarine species
- Interaction of salinity with non-flow related factors
- Identification of modeling or other tools that can be used to measure and reasonably protect estuarine habitat

One or more of the following will make presentations:

Larry Brown	US Geological Survey
Jim Cloern	US Geological Survey
Steve Culberson	US Fish & Wildlife Service
Cliff Dahm	University of New Mexico
Bill Fleenor	UC Davis
Bruce Herbold	USEPA
Wim Kimmerer	San Francisco State University
Anke Mueller-Solger	Interagency Ecological Program

### ***Regulatory / fishery agencies panel***

Agency	Presenter	Topic
USEPA	Erin Foresman	Flow interactions with species abundance and water quality standards
CA Dept. Fish & Game	Patrick Coulston	Low Salinity Zone and inflow / outflow effects on Bay species
	John Shelton	System ecology, watershed functions and services, and Central and South Delta interactions
	Randy Baxter (alternate)	
US Fish & Wildlife Service	Matt Nobriga	Low Salinity Zone effects on Delta Smelt

### ***Resource management agencies panel***

Agency	Presenter	Topic
CA Dept. Water Resources	Ted Sommer	X2 and non-flow criteria
	Andrew Schwarz	Climate change and non-flow criteria
	John Leahigh	Dealing with uncertainty

***Environmental / NGO panel***

<b>Agency</b>	<b>Presenter</b>	<b>Topic</b>
Bay Institute / NRDC	Jonathan Rosenfield	<ul style="list-style-type: none"><li>• Effects of flow, other stressors, and climate change on estuarine habitat and the LSZ</li><li>• Use of biocriteria and other decision tools to guide adaptive management of efforts to attain water quality objectives and protect beneficial uses</li></ul>
American Rivers	John Cain	<ul style="list-style-type: none"><li>• Interconnections between floodplain inundation, water turbidity, and fish habitat</li><li>• Associated modeling</li><li>• Modification of export facilities and operations under existing conditions and with approved BDCP</li></ul>
CA Sportfishing Alliance / CA Water Impact Network	Tim Stroshane	Recent selenium science and modeling in relation to ecosystem changes and listed and non-listed species
	G. Fred Lee	Importance of high tributary flow to minimize water quality impacts
	Tom Cannon	Effects of past standards on flow and pelagic and salmonid species and measures necessary to protect those species

***In-Delta water interests panel***

<b>Agency</b>	<b>Presenter</b>	<b>Topic</b>
Bay Area Clear Water Agencies	Michael Connor	Suisun Bay eutrophication issues; impacts of nutrient loadings on phyto and zooplankton
Sacramento County Regional Sanitation District	Mike Bryan	Water quality, data quality objectives, regional monitoring
	Cameron Irvine	Data quality objectives, invasive clams, contaminants
City of Antioch	Susan Paulsen	Salinity impacts of water withdrawals
South Delta Water Agency	John Herrick	SWP / CVP operations and problems with Delta/Project modeling

***State and Central Valley Project contractors***

<b>Agency</b>	<b>Presenter</b>	<b>Topic</b>
State Water Contractors, San Luis & Delta-Mendota Water Authority	Dave Fullerton Sheila Greene Patricia Glibert Chuck Hanson Paul Hutton	Exploring the mechanisms driving changes to the Bay-Delta Estuary

***Sacramento Valley water suppliers panel***

<b>Agency</b>	<b>Presenter</b>	<b>Topic</b>
N CA Water Assoc., Sacramento Valley Water Users	Walter Bourez	<ul style="list-style-type: none"><li>• Uncertainty in LSZ positioning</li><li>• Concurrent trends in Sacramento Basin hydrology and pelagic populations</li><li>• Risks of unimpaired flow-based standards</li><li>• Water management to support multiple beneficial uses</li></ul>